

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 2-4, 6, and 7, and ADD claim 10 in accordance with the following:

1. (Cancelled)

2. (Currently Amended) A rolling bearing assembly having a temperature sensor built therein, which bearing assembly comprises:

stationary and rotary bearing rings one positioned inside the other;

a sealing member secured to the stationary bearing ring; and

the temperature sensor secured to the sealing member to measure a temperature inside the bearing assembly,

wherein the sealing member includes a plate-like core metal fitted to the stationary bearing ring, and an elastic member made of one of rubber ~~and~~or resin and integrated together with the core metal, and

the temperature sensor is secured to a plate surface of the core metal in contact therewith, at an intermediate portion of the core metal, to determine a temperature of the core metal, ~~and~~

~~the temperature sensor is not secured to the core metal by the elastic member.~~

3. (Currently Amended) A rolling bearing assembly having a temperature sensor built therein, which bearing assembly comprises:

stationary and rotary bearing rings one positioned inside the other;

a sealing member secured to the stationary bearing ring; and

the temperature sensor secured to the sealing member to measure a temperature inside the bearing assembly,

wherein the sealing member includes a plate-like core metal fitted to the stationary bearing ring, and an elastic member made of one of rubber ~~and~~or resin and integrated together with the core metal and wherein the temperature sensor is secured to a plate surface of the core

metal in contact therewith, to determine a temperature of the core metal, and

the core metal includes a cylindrical portion mounted on a peripheral surface of the stationary bearing ring which confronts the rotary bearing ring, a flange portion engaged to at least one annular end face of the stationary bearing ring, and a slant portion bent from an inner end of the cylindrical portion so as to extend diagonally radially therefrom and wherein the temperature sensor is disposed within a space delimited by and between the cylindrical portion and the slant portion.

4. (Currently Amended) The rolling bearing assembly as claimed in Claim 2, wherein the temperature sensor is directly molded with ~~fixed to the sealing member by means of an integral molding of the elastic member with the core metal.~~

5. (Previously Presented) The rolling bearing assembly as claimed in Claim 2, wherein the temperature sensor is a chip-type laminar thermistor.

6. (Currently Amended) A rolling bearing assembly including stationary and rotary bearing rings, one positioned inside the other, and a temperature sensor, the rolling bearing assembly comprising:

a sealing member secured to the stationary bearing ring and comprising a core metal and an elastic member made of one of rubber ~~and or~~ resin and integrated together with the core metal, the temperature sensor contacting and being affixed to a plate surface of the core metal, at an intermediate portion of the core metal, and determining a temperature of the core metal; ~~wherein the temperature sensor is not affixed to the core metal by the elastic member.~~

7. (Currently Amended) The rolling bearing assembly as claimed in claim 6, wherein the temperature sensor is integrally directly molded with the elastic member.

8. (Withdrawn) The rolling bearing assembly as claimed in claim 2, wherein the temperature sensor does not contact the elastic member.

9. (Withdrawn) The rolling bearing assembly as claimed in claim 6, wherein the temperature sensor does not contact the elastic member.

10. (New) A rolling bearing assembly including stationary and rotary bearing rings,

one positioned inside the other, the rolling bearing assembly comprising:

a sealing member secured to the stationary bearing ring and comprising

a core metal, and

an elastic member made of one of rubber or resin, integrated together with the core metal; and

a temperature sensor affixed directly to an intermediate portion of the core metal and determining a temperature of the core metal.